

From: [Kendra Bernhagen](#)
To: [Loesel, Matthew](#); [Mason, Steve](#)
Cc: [Daniel Tighe](#); [Spall, Amy](#)
Subject: Fw: End of Shift Update_04.04.2019_Kendra Bernhagen_Seth Tate
Date: Thursday, April 04, 2019 11:10:55 PM
Attachments: [FW ITC Tank Fire - Fwd Harris County Texas.msg](#)
[FW Notification of events at ITC.msg](#)

We love you Steve, and just want to make you feel included!

-Kendra

From: Kendra Bernhagen
Sent: Thursday, April 4, 2019 11:08 PM
To: Ly Pham; Guadalupe Quiroz; Todd Thompson; Alma Jefferson; Kevin McLeod
Cc: Jocina Chase; Danielle Woods; Seth Tate
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End of Shift Update_04.04.2019_Kendra Bernhagen_Seth Tate

As of April 4, 2019, at 1900 hours the following stats are as followed:

- Total Contaminated Water Recovered: 209, 465 barrels
- Contaminated Water On-Water Operations Recovered: 89, 576 barrels
- Contaminated Water Tank Farm Operations Recovered: 127, 457 barrels
- Contaminated Solids (PPE, Absorbent Pads, and boom): 128 cubic yards. This number is being investigated by ITC and its contractors to find out what the correct number is for this.
- Approximately 137, 400 feet of boom has been deployed.

The flushing of Tucker Bayou has continued today and will now be continual (24hr operations). If there is rain flushing will cease.

EPA Operations are as followed:

- TAGA will be downwind of ITC and near the facility on April 5, 2019.
- ASPECT will fly tomorrow if weather permits. Will return to Dallas for maintenance and will return if requested.
- START will continue to monitor downwind of the facility and collect water samples.
- A START representative will be at the Command Post overnight for April 5th and

April 6th. An FOSC will return to the night shift starting on April 7th.

More rain is projected for April 7th, if the facility needs to utilize its facility outfalls to manage the stormwater it will do so. The facility will sample prior to opening any stormwater outfalls.

Additionally, ITC is requesting to release the storm water from the area that is marked in bold black to the Tidal Road ditch since the facility cannot currently release this water from the designated outfall 003. The facility will sample from the tank farm normal discharge point and then would have a pump and hose connected to that point that would then move the water to the ditch on Tidal and follow the highlight path. This question has been forwarded to water permitting and a decision is pending.

ERC Kendra Bernhagen attended the 1300 environmental unit meeting.

EI Seth Tate attended the 1330 tactics meeting.

ERC Kendra Bernhagen and EI Seth Tate attended the 1500 planning meeting. The IAP was presented to the Unified Command and approved.

USCG Priorities:

- Jacinto Port removal of material operations may move to 24 hr. operations and have a night crew skimming.
- Captain of the Port will begin allowing inbound only ship traffic at night, vessels will be allowed to go above Beltway 8 bridge.
- Pending on how the operations overnight go, tugs and barges will be allowed to travel inboard at night as well.
- Validate Vopack hotzone and lift as soon as possible to get Vopack back to normal operating procedures.
- Have the vessel that is parked at Jacinto Port Dock 3 removed and decontaminated by Saturday, April 6, 2019.
- Carpenters Bayou will continue to be an area of focus for removal operations. Once all vessels and barges are decontaminated and boom will only be place at the mouth of the bayou.
- Old River has approximately 100 barges still in need of decontamination, additional resources to speed up this may be needed.

Operations has switched to utilizing drum skimmers, which means an increase of material will be removed and less water is being picked up. 90% material and 10% water is the estimation of what is now being skimmed from the waters.

EPA Priorities:

- Continue flushing and removal activities at Tucker Bayou.
- Continue removal activities at Bostco and possibly have more resources assisting with this area and the removal of material
- Continue working on removing the material from Jacinto Port if possible prior to the predicted storms on Sunday April 7, 2019.

JIC is scaling down and will remain on standby through the weekend.

TPWD Update:

1 oiled osprey was recovered and is currently being rehabilitated at the Nature Center

80-14 and 80-15 had manways open and were draining for a portion of the afternoon. However, due to high benzene readings in the northeastern corner of the tankfarm this operation was halted. Additionally, the hotzone was extended to capture the areas where there were high benzene readings (4ppm-8ppm). See attached hotzone map.

Santa Ana Bayou protection efforts will be increased, to prevent any more contamination.

Agency (state & federal) are still being requested for SCAT teams for next week.

The following tank farm and Tucker Bayou operations are currently taking place:

- 80-8 draining to dike area and are pumping the material to 100-31
- 80-7 drawing foam/water mix out with a vac truck and moving the material to 100-31
- 80-2 and 80-3 have manways open and are draining to the dike area, which is then being pumped to tank 100-31.
- The ditch is being pumped to frac tanks that are then being pumped to 80-33.
- Tucker Bayou operations are being vacuumed by vac trucks and then going to frac tanks, which are then leading to tank 80-33.
- Currently there are 9, 130-barrel vac trucks throughout the facility.
- Currently there are 19 70-barrel vac trucks throughout the facility.

It was discovered that Mike G. & ITC were unaware of any status updates being provided to the agency regarding the tank farm. The data that has been provided up until this point has been deemed inaccurate. ITC is working on an actual, and accurate representation of the tank farm and the volumes.

Currently Outstanding and pending items:

- Check on cubic yard generation amount. The facility should be able to add up how many roll-offs are being used for the response and add their volume together and come up with a rough estimate of how much contaminated solids has been generated.
- **Follow up with Mike G regarding the alternative discharge route that he has proposed. Have him sample the discharge point and provide the results to ensure that there is no issue with the water. Have him do this first thing due to the pH test taking approximately 4 hrs. Follow up with Nicole once that info has been provided. Water Permits is also reviewing this.**
- Follow up with Adam Adams regarding what a health consult is. There is an email attached that touches on this but further discussion with Adam may be needed.
- Follow up with tank volume status updates with Mike G. This needs to be a conversation had with ITC and not the contractors. ITC needs to ensure they are the ones providing this information and that it is accurate.
- Follow up with the environmental unit regarding the environmental plans.